

The Alaskan Way Viaduct and Seawall Project

An Urgent Need

A Unique Opportunity

Welcome

Doug MacDonald,
WSDOT Secretary

Tim Ceis,
City of Seattle
Deputy Mayor

Activities Since February

Maureen Sullivan,
WSDOT Urban Corridors
Project Director

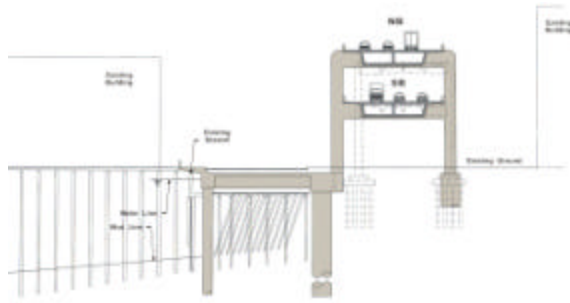
Activities Since February

- Seawall investigation
- Conceptual design effort
- Cost estimate validation process (CEVP)
- Construction phasing
- Geotechnical exploration
- Community outreach
- Preliminary traffic findings
- Strategy development for managing travel demand
- Surface street options
- Conducting studies on tolling

Update on Design Plans

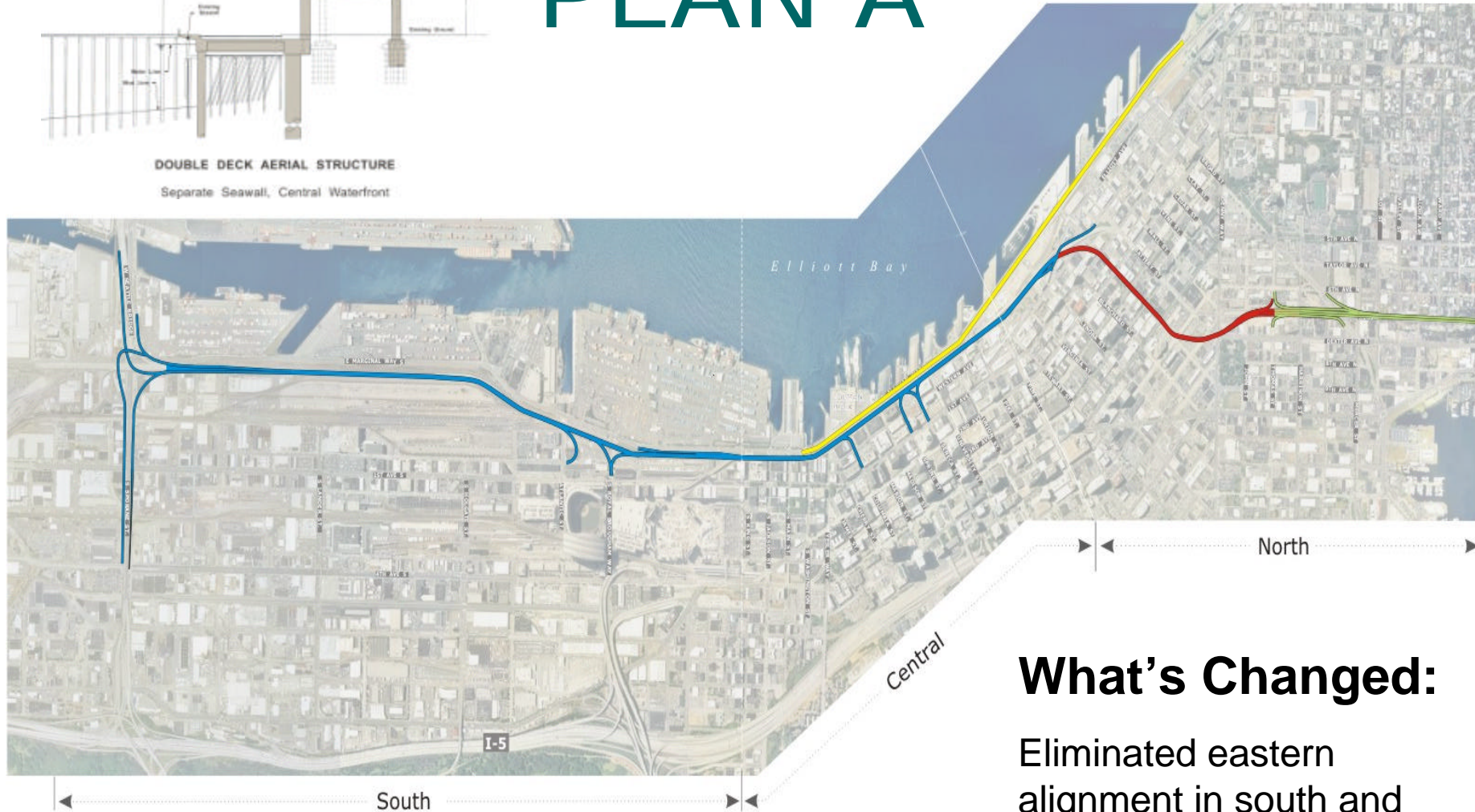
Tom Madden,
WSDOT Engineering Manager

Bob Chandler,
City of Seattle Project Manager



DOUBLE DECK AERIAL STRUCTURE
Separate Seawall, Central Waterfront

PLAN A



- | | | | |
|--|--------------------|--|------------------|
| | Aerial | | Separate Seawall |
| | Cut & Cover Tunnel | | At Grade |

What's Changed:

Eliminated eastern alignment in south and replaced with aerial in current alignment

► N



June 18, 2002



City of Seattle

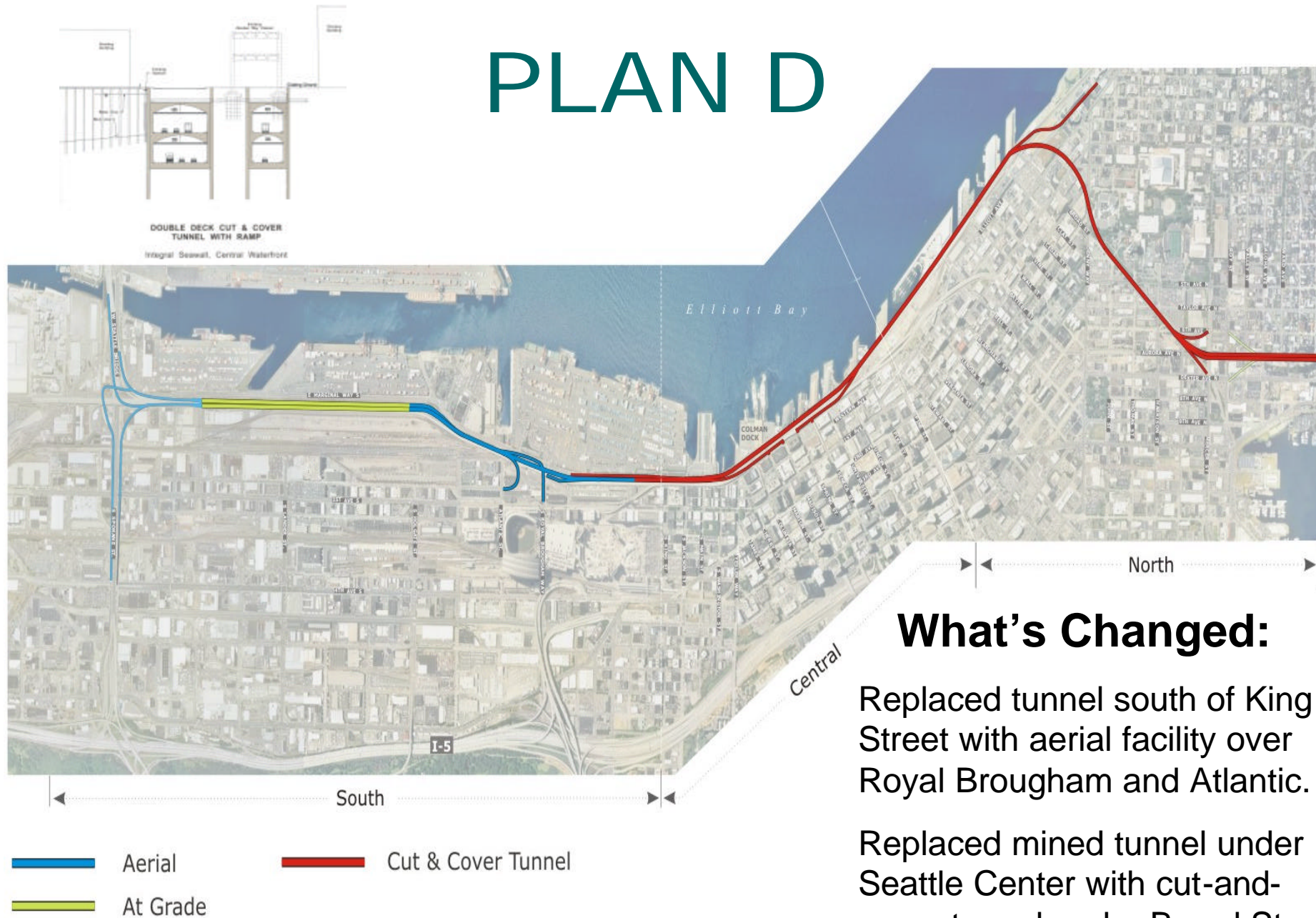
PLAN C



What's Changed:

Replaced single large tunnel with twin tunnels under Denny Regrade area; moved north portal to Roy Street

PLAN D



What's Changed:

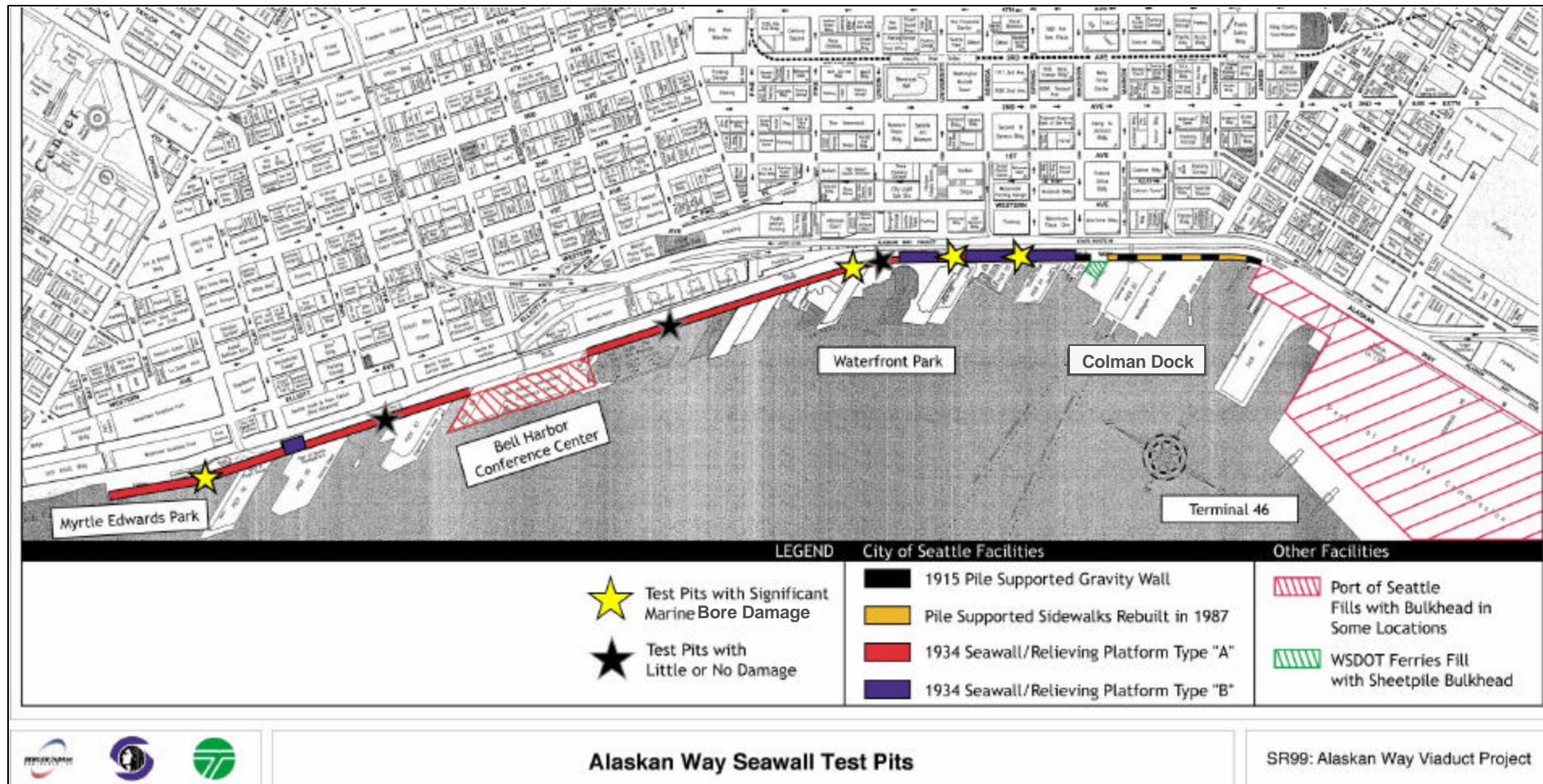
Replaced tunnel south of King Street with aerial facility over Royal Brougham and Atlantic.

Replaced mined tunnel under Seattle Center with cut-and-cover tunnel under Broad Street

The Seawall and Viaduct Problem.....



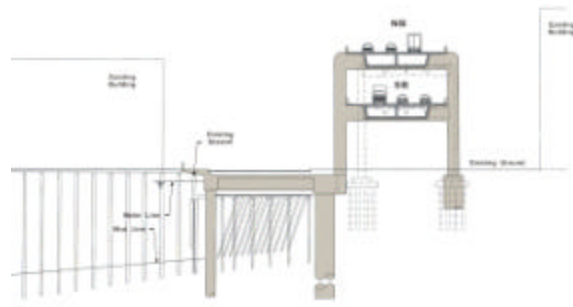
Alaskan Way Seawall Test Pits



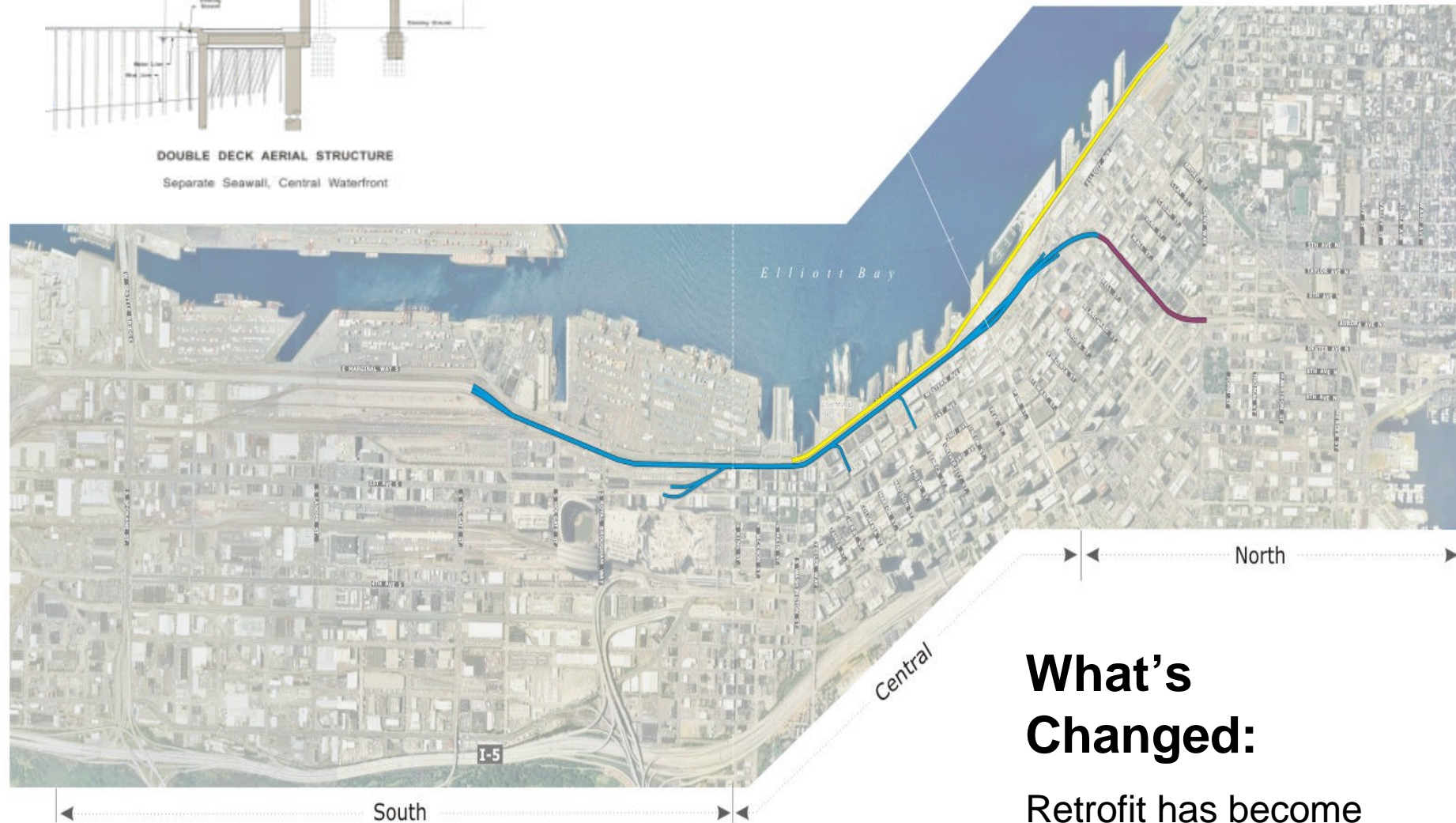
The Seawall and Viaduct Problem.....



REBUILD



DOUBLE DECK AERIAL STRUCTURE
Separate Seawall, Central Waterfront

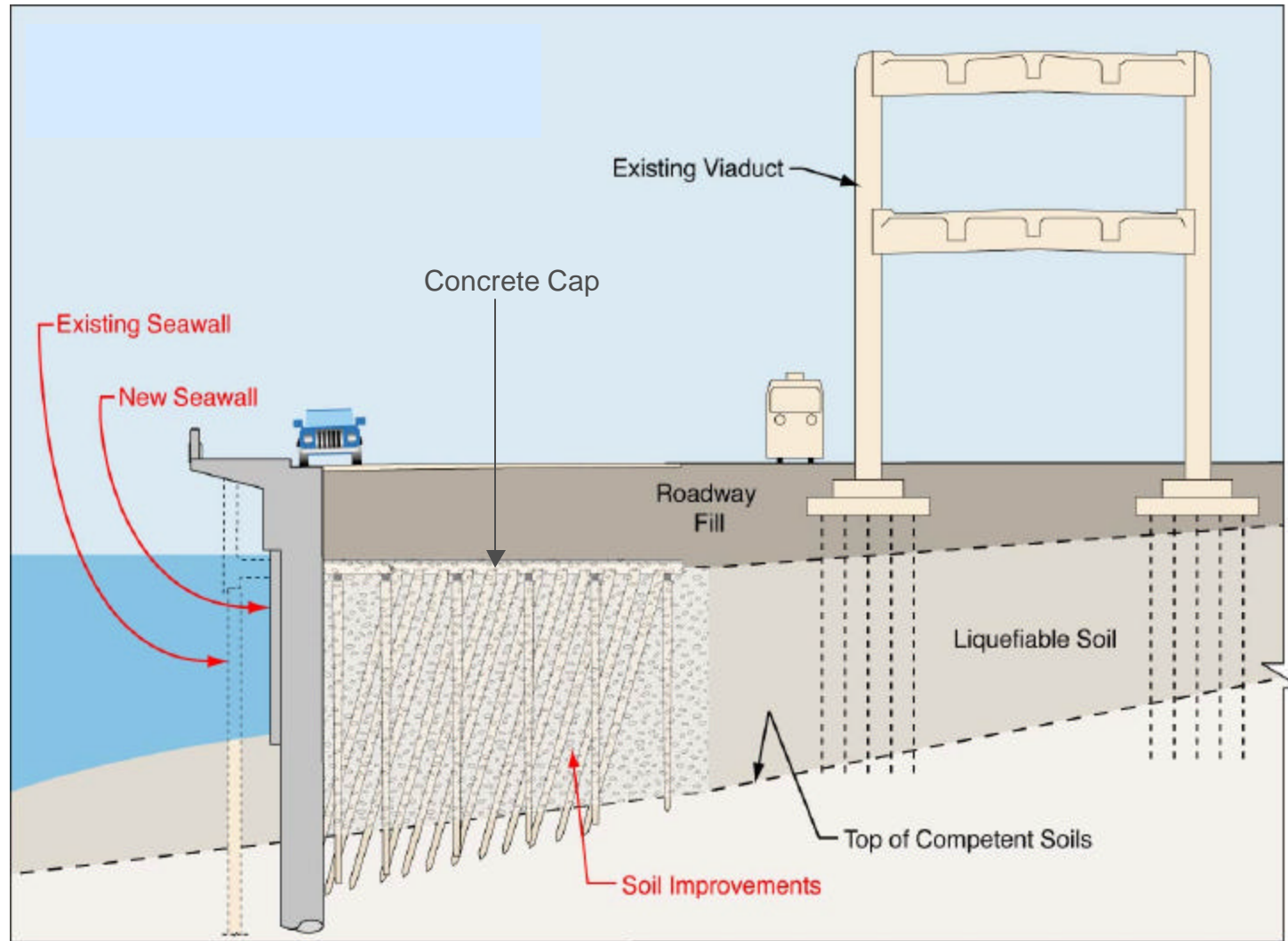


- Aerial
- Separate Seawall
- Battery St. Tunnel Fire & Life Safety Upgrade

What's Changed:

Retrofit has become rebuild for both viaduct and seawall

Rebuild Option for Type B Seawall (Type A Similar)



Design Plans – Key Issues

- Central waterfront – underground or aerial
- Costs – vary by plan
- Traffic – all plans function similarly
- North portal – at Roy or Thomas Street
- Impacts – construction and environmental
- Construction phasing
- Surface improvements – vary by plan